IN THE CLAIMS

Page 6, line 1, change "Patent Claims" to --What is claimed is:--.

Claims 1-8 (cancelled).

9. (New) An optical system with reduced chromatic aberration, for use in microscopes for imaging the light source in the aperture diaphragm of a condenser, comprising:

a collector assembly; and

an apochromaticizing adapter assembly which is associated with the collector assembly.

10. (New) The optical system according to claim 9, wherein the adapter assembly has three lenses, wherein one lens having negative power is arranged between two lenses having positive power.

11. (New) The optical system according to claim 10, wherein the three lenses are separated from one another by air gaps, and the lens surfaces facing the air gaps have identical radii.

12. (New) The optical system according to claim 10, wherein the optical characteristics of the two lenses having positive power are identical.

13. (New) The optical system according to claim 9, wherein the collector assembly has two lenses.

14. (New) The optical system according to claim 9, wherein means are provided for detachably connecting the adapter assembly to interchangeable collector assemblies which have different optical characteristics.

15. (New) The optical system according to claim 9, designed for wavelengths

in the range of 365 nm to 644 nm.

16. (New) The optical system according to claim 9, further comprising the following parameters:

Assembly	Surface	Radius r	Thickness d	Refractive index n_e	Abbe Number υ_e	Diameter
Adapter	a	130				27.38334
			5	1.552320	63.45999	
	b	–24				27.38454
			0.2			
	c	–24				26.79942
			3	1.647690	33.849998	
	d	24				26.76505
			0.2			
	e	24				27.77575
			5	1.552320	63.459999	
	f	–130				27.75754
			10			
Collector	g	25.119				28.39285
			5.8	1.522490	59.480000	
	h	–54.247				28.24928
			0.3			
	i	12.232				22.63967
			7.2	1.458464	67.821443	
	k	141.25				22.56214